Important NDA Information:

Official Product Launch date and NDA Embargo Rules

AMD Radeon™ HD 6900 product-related information provided at the NDA press or AIB Partner briefings is under **full NDA embargo until 12:01am EST on December 15, 2010**.

There are two key dates to follow:

1. **Product Launch date** – Effective **12:01am EST on December 15, 2010**, AMD will officially lift the AMD Radeon™ HD 6900 NDA embargo to worldwide media/press and to the general public.
2. **Media sample and NDA product information embargo date** – 12:01am EST on December 9, 2010, shipment of any products by AIB Partners to media/press is strictly prohibited before the date.

The following basic information can be communicated now, under strict NDA at full responsibility of the AIB Partner:

☐ High level product positioning and key messages

☐ Product availability

☐ Pricing

☐ Board configurations

The following product information can be communicated under strict NDA **only after Media sample and NDA product information embargo date** – December 9, 2010 at full responsibility of the AIB Partner:

☐ Partner product sample – ONLY production grade sample board built with production-level ASIC is allowed. All pre-production sample or engineering is strictly prohibited.

☐ Related software (including press drivers, BIOS, etc)

☐ Product specs (VPU specs, clock speed, design kit contents)

☐ Performance benchmarks

☐ Photos of the AMD Radeon HD 6900 hardware, information printed on related packaging or photos of the packaging itself

Partners and their customers or media are not allowed to post any information related to the product and media reviews, or to publically announce or sell the product until AFTER (but NOT before) the Product Launch date.

PRODUCT OVERVIEW

1. Introduction:

New Architecture – new features

The SAPPHIRE HD 6900 series features the latest graphics technology from AMD designed to support all the features of Microsoft DirectX 11 and DirectCompute 11. The new GPU's are built in AMD's 40nm process to deliver high performance with low power consumption. Advanced hardware features include an enhanced Tesselation unit, new AA and image filtering options, dedicated HDR Texture compression, multi-threaded communication with system CPU cores, embedded support for many of the DirectCompute 11 instructions, 3D stereoscopic support and HDMI 1.4a.

Sapphire HD6950 2GB GDDR5(21188-00-40R)

2. Features:

1. Up to 800 MHz Engine Clock
2. Effective 5 GHz Memory Clock
3. 1408 Stream Processors
4. Microsoft DirectX 11 Support
5. AMD Eyefinity Technology
6. AMD Power Tune Technology—dynamically optimized performance
7. Open GL 4.1 Support
8. AMD HD3D Technology
9. AMD Advanced Parallel Processing Technology
10. Microsoft Windows 7 Support
11. 40nm Process Technology
12. 4th Generation TeraScale Engine

13. PCI Express 2.1 x16 bus interface
14. HDMI 1.4a support with Deep Color, 7.1 High Bitrate Audio and 3D Stereoscopic support
15. Display Port 1.2
16. ATI CrossFireX™ multi-GPU support
17. Enhanced Unified Video Decoder (UVD 3)
18. Dynamic power management with ATI PowerPlay™ technology including memory clocks
19. Dolby® TrueHD and DTSHD Master Audio ™ Support
20. Enhanced Internet Brower Applications
21. GPU acceleration support for Microsoft Office 2010

3. System Requirements:

- PCI Express® based PC is required with one X16 lane graphics slot available on the motherboard
- 500 Watt or greater power supply with two 75W 6-pin PCI Express® power connectors recommended.
- Certified power supplies are recommended. Refer to http://ati.amd.com/certifiedPSU for a list of Certified products
- Minimum 1GB of system memory
- Installation software requires CD-ROM drive
- DVD playback requires DVD drive
- Blu-ray™ playback requires Blu-ray drive
- For an ATI CrossFireX™ system, a second ATI Radeon™ HD 6900 graphics card, an ATI CrossFireX Ready motherboard and one ATI CrossFireX Bridge Interconnect cable per graphics card are required.

4. Operating System Support:

Windows XP(32Bit/64Bit); Windows Vista(32Bit/64Bit); Windows Media Center Edition 2005, Windows 7

5. SKU Feature:

SKU	21188-00-40R
ASIC	Radeon HD 6950
Bus Interface	PCI-E x16 (PCI-E 2.1)
Memory	2048MB / 256-bit GDDR5
Clock Speed	800 MHz Eclk / Effective 5000 MHz Mclk
Cooling System	Dual slot Fan with auto fan control
Bracket	Full Height
Display Support	DL-DVI-I SL-DVI-D Mini Display Port x 2 HDMI VGA (Via included adaptor)
HDCP	Yes
Crossfire Support	Native Hardware Crossfire
External Power	PCIe Graphic External 2x 6 pin
Accessories	Crossfire Interconnect Cable x 1 DVI to VGA Adaptor x 1 6 PIN to 4 PIN Power Cable x 2 Mini DP to DP Adapter x 1 HDMI 1.4a 1.8 meter cable x 1
Software	Driver CD

6. Maximum Display Resolution:

- D-Dub(VGA): 2048 x 1536 @85 Hz.
- DL-DVI-I: 2560 x 1600@60Hz
- SL-DVI-D: 1920 x 1200 @ 60 Hz
- HDMI 1.4a: 1080p
- Display Port : 2560x1600 @60Hz*
- Maximum Display Support: 4 Displays (4 x1920x1200 in SLS mode)

NOTE:

Disclaimer: Product specification subjects to change, product might not be exactly as shown. While every precaution has been taken in the preparation of the material, no responsibility for errors or omissions is assumed. Neither is any liability assumed for damages resulting from the use of the information contained herein.